Bleeding resistant polyolefin resin compsn. - obtd. by blending liq. alicyclic satd. hydrocarbon with polyolefin

Patent Assignee: ADEKA ARGUS IND KK

Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
JP 56045932	A	19810425	JP 79121402	A	19790920	198124	B
JP 86046014	B	19861011				198645	

Priority Applications (Number Kind Date): JP 79121402 A (19790920)

Abstract:
JP 56045932 A

Compsn. is prepd. by blending (1) liquid alicyclic satd. hydrocarbon cpd. contg. at least 3 cyclohexyl rings sepd. from each other with alkylene gp. in molecule with (2) polyolefin. The flexible polyolefin resin compsn. has excellent bleeding resistance, transparency, colour tone and smell.

Component (1) is synthesised by hydrogenating a corresp. aromatic hydrocarbon cpd. Component (1) includes, e.g. cpd. of formula (I). The amt. of (1) used is 0.1-100 (1-60)pts.wt. to 100 pts.wt. of polyolefin. Component (2) includes e.g. polyethylene, polybutene-1, ethylene-propylene copolymer.

100 pts.wt. of unstabilised polypropylene were blended with 0.1pt.wt. of tetrakis (methylene 3-(3,5-di-tert.-butyl 4-hydroxyphenyl)propionate) methane, 0.2 pt.wt. of dilaurylthiodipropionate and 30 pts.wt. plasticiser. The compsn. had a 100% modulus of 90.4 kg/sq. cm., melt flow index of 6.8 g/min (at 230 deg. C under 2160 g) and a low temp. embrittlement temp. of -42 deg. C.

Derwent World Patents Index

Dialog® File Number 351 Accession Number 3182623